



CONNECTIVITY TODAY AND TOMORROW

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or **KEEPING UP WITH THE JONES**

- ✍ Difficult times in the telco arena
- ✍ Firms falling by the wayside
- ✍ Extremely overbuilt 'BROADBAND'
- ✍ Aging voice equipment
- ✍ Decline in demand across the board
- ✍ Rise in specialty areas



THE NEAR FUTURE

✍ PROBLEMS

- ✍ Upward price pressure
- ✍ Less competition
- ✍ Long term outcome

LONG TERM

✍ Convergence

- Used by telco industry for years
- Available to public after 1996

✍ Satellite

- Cost declining and more

✍ Government Intervention

- Required services



A GAME PLAN

- ✍ Given its current state - what is safe?
- ✍ Convergence
- ✍ DSL or ?



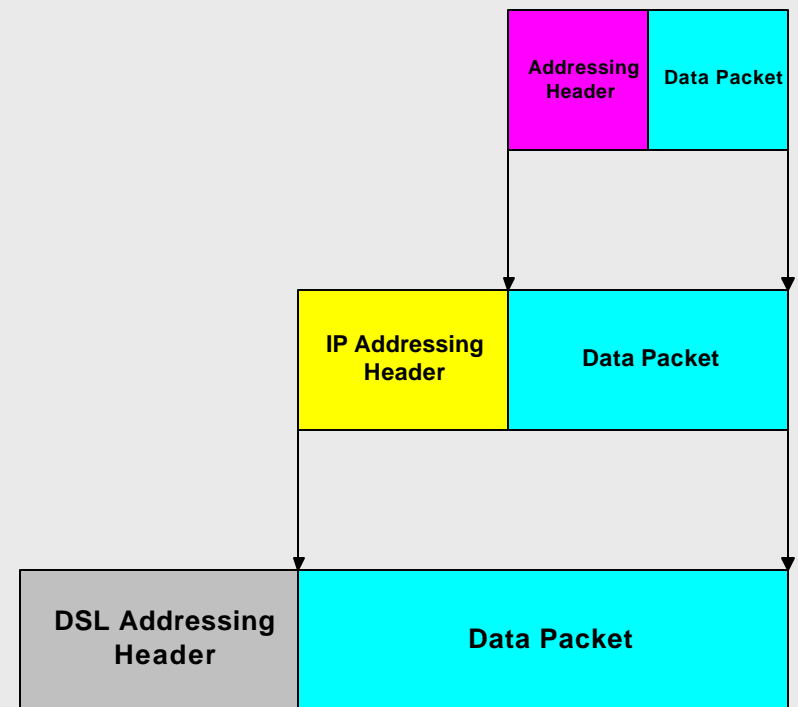
One Wire

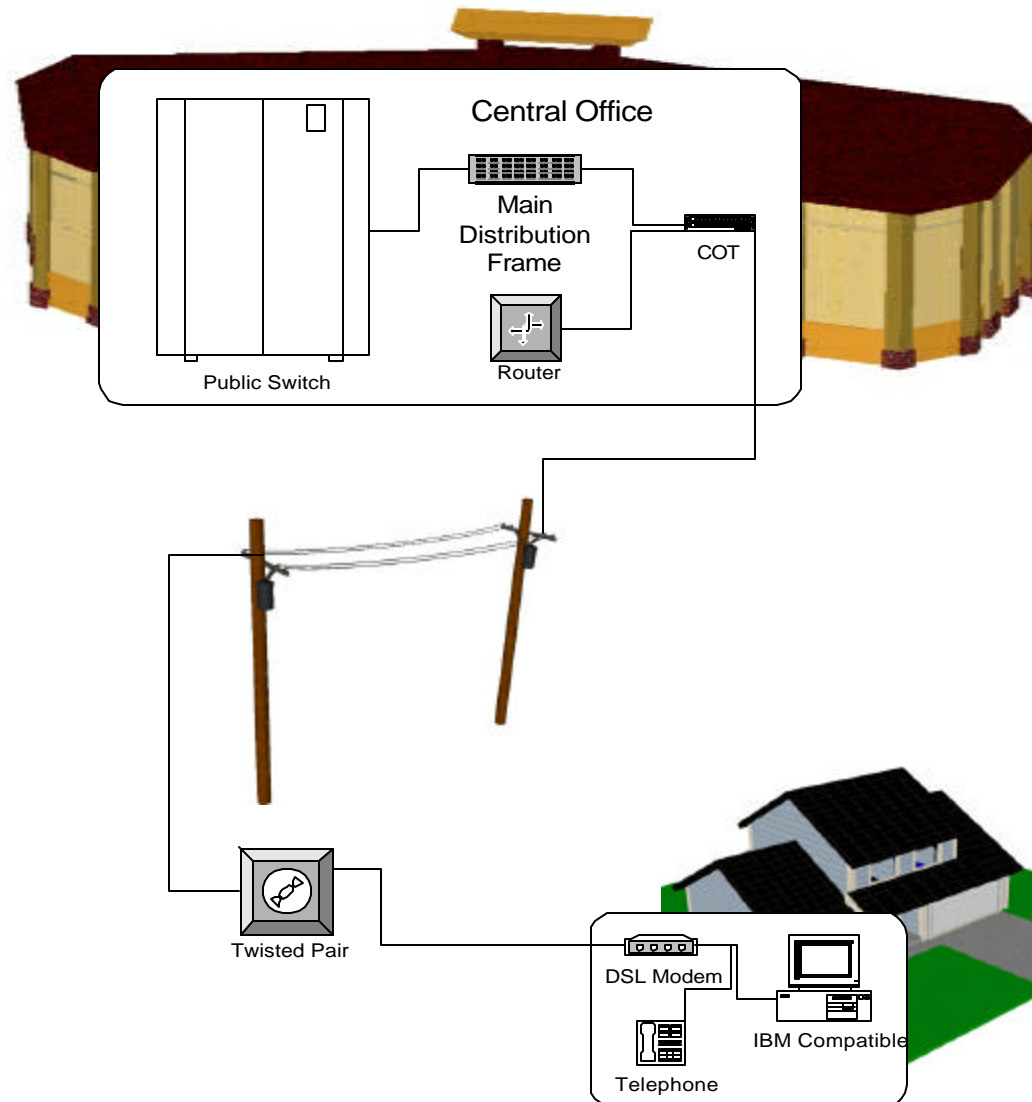
HOW NOW

DSL

- A protocol for carrying information across media at high speeds
- Can carry various other protocols

Encapsulation







CONCLUSION

- ✍ DSL works
- ✍ It allows the reuse of existing structure
- ✍ Positions for broadband
- ✍ Handles both voice and data on the same pair of copper

Thank you for your attention!



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Presentation is available on our web site:

www.nasfed.com/IHS2002.htm

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